

Fig. 1 Prior art

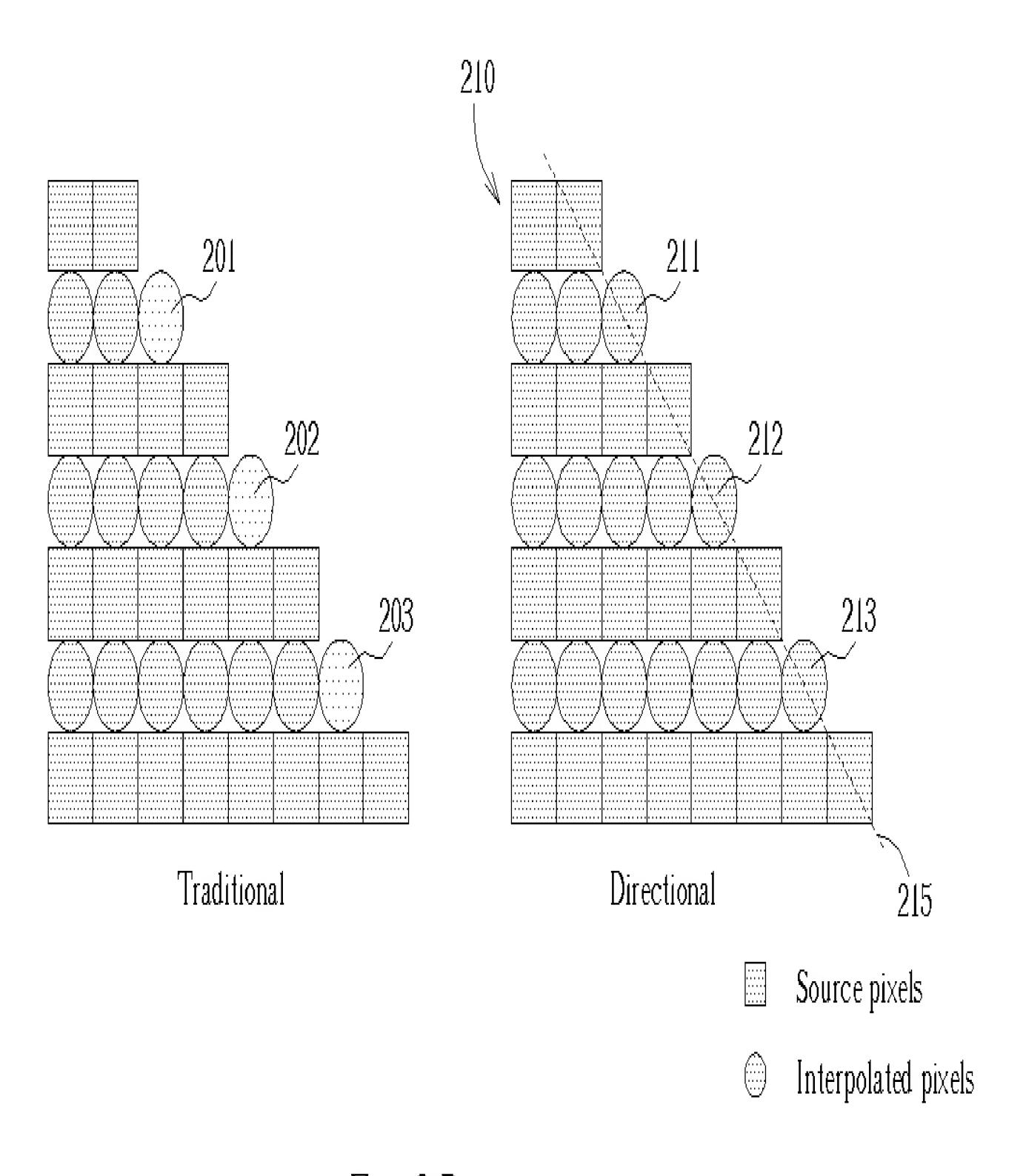
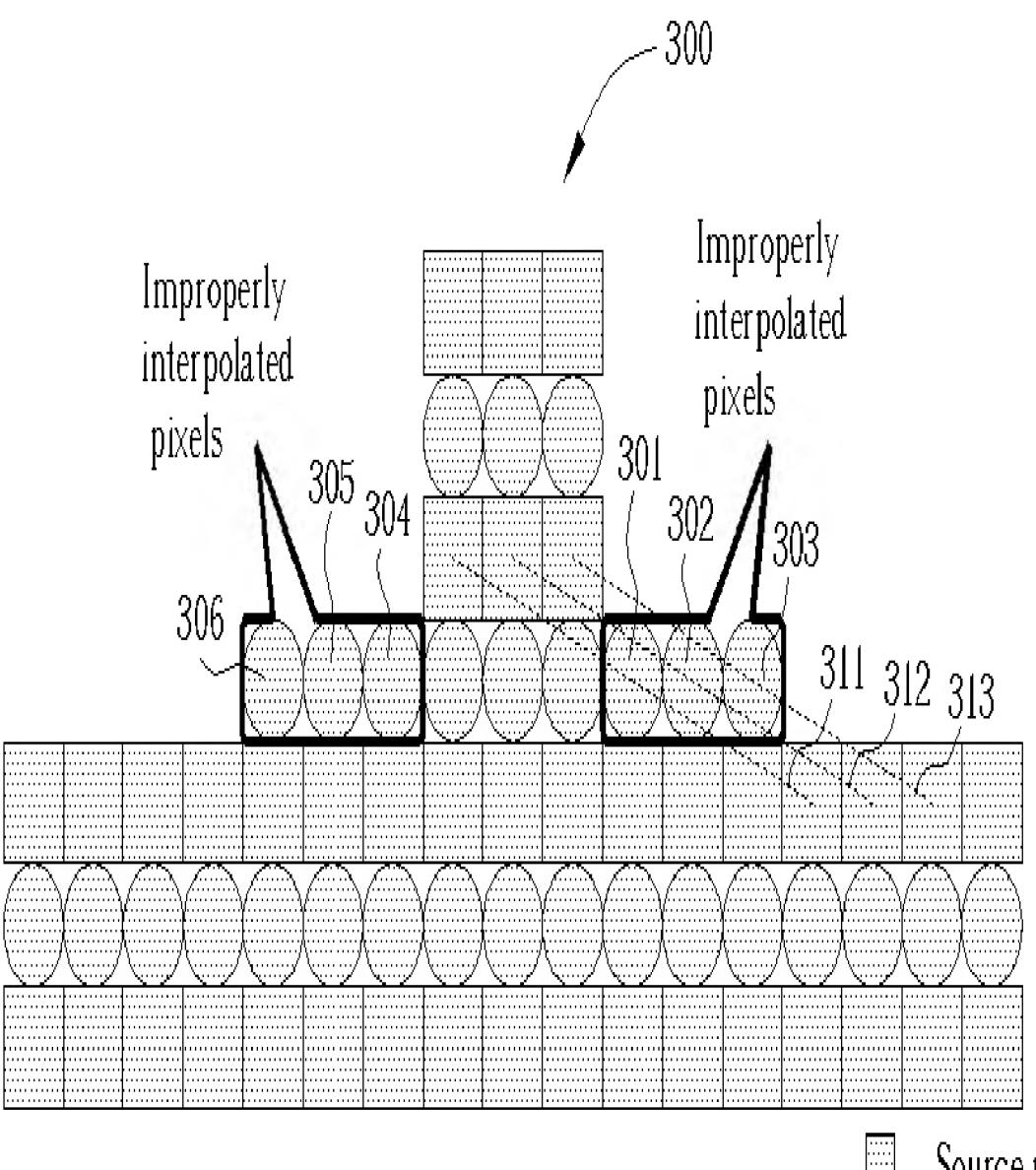


Fig. 2 Prior art



Source pixels

Interpolated pixels

Fig. 3 Prior art

Calculate a plurality of first horizontal pixel value differences between pixels positioned in the first row and a plurality of second horizontal pixel value differences between pixels positioned in the second row

- 420

If any of the first horizontal pixel value differences is greater than a first threshold and any of the second horizontal pixel value differences is greater than a second threshold, control the interpolation direction not to be orthogonal to the first and the second rows

. 430

If none of the first horizontal pixel value differences is greater than the first threshold or none of the second horizontal pixel value differences is greater than the second threshold, control the interpolation direction to be orthogonal to the first and the second rows

Fig. 4

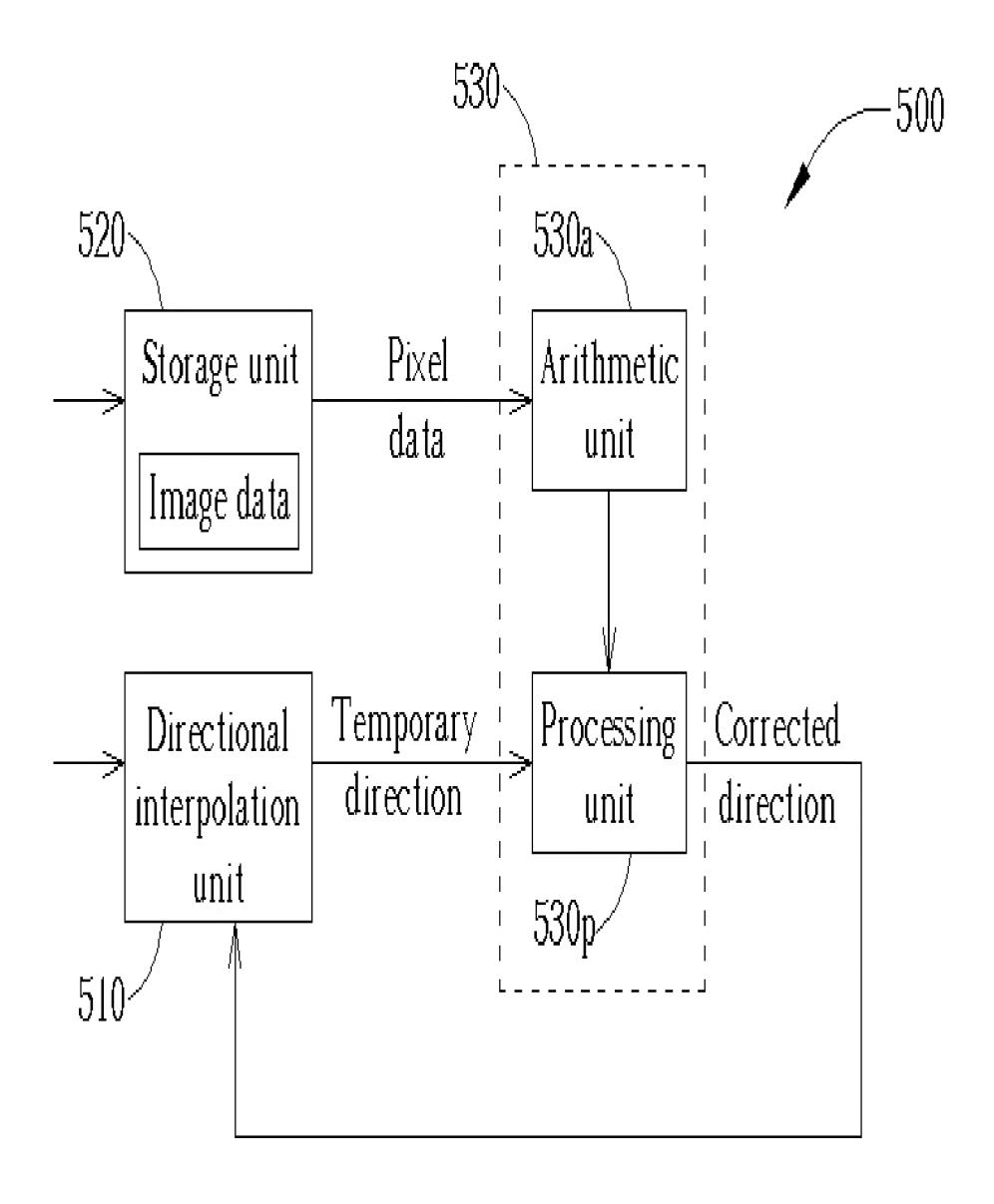


Fig. 5

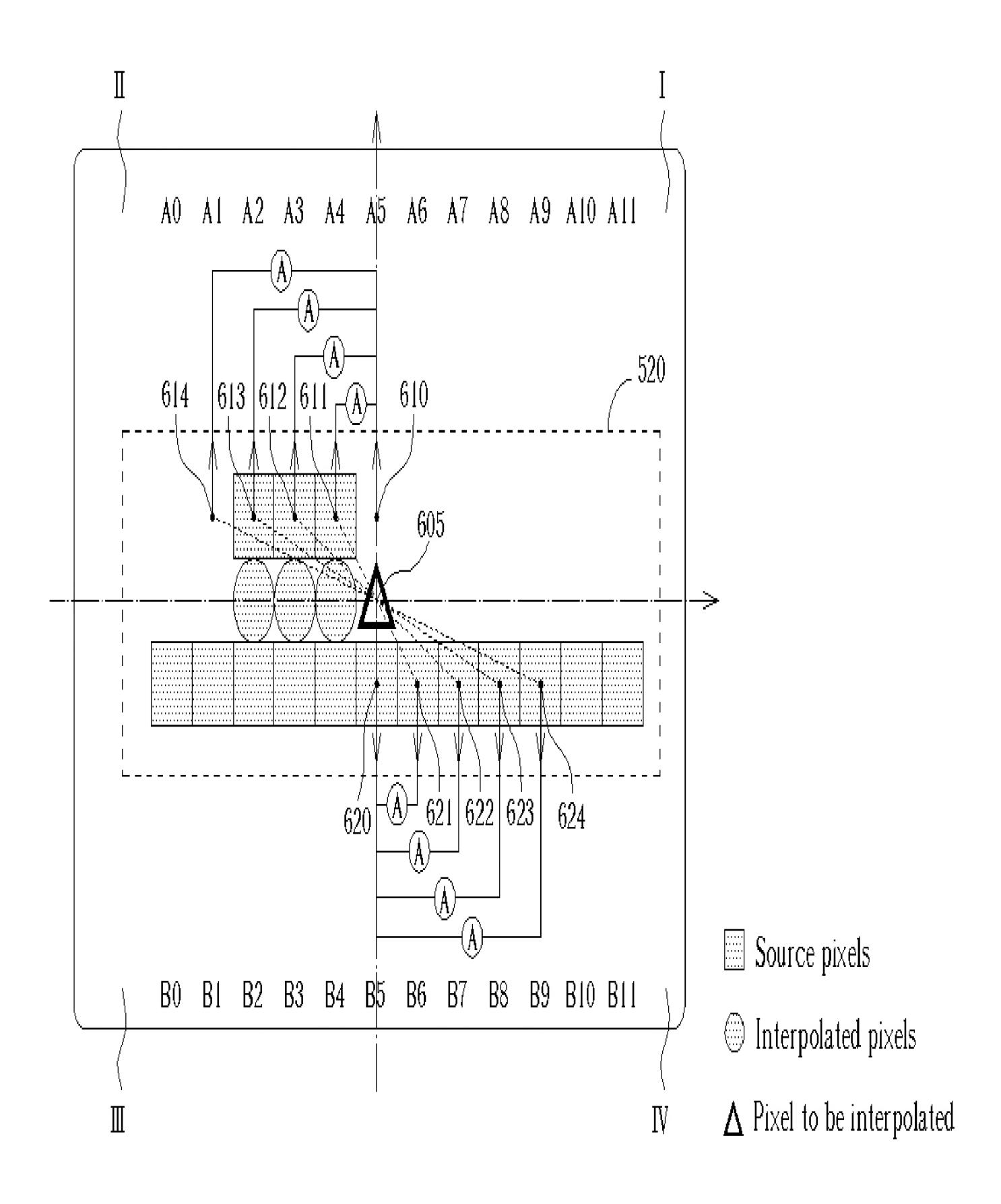


Fig. 6

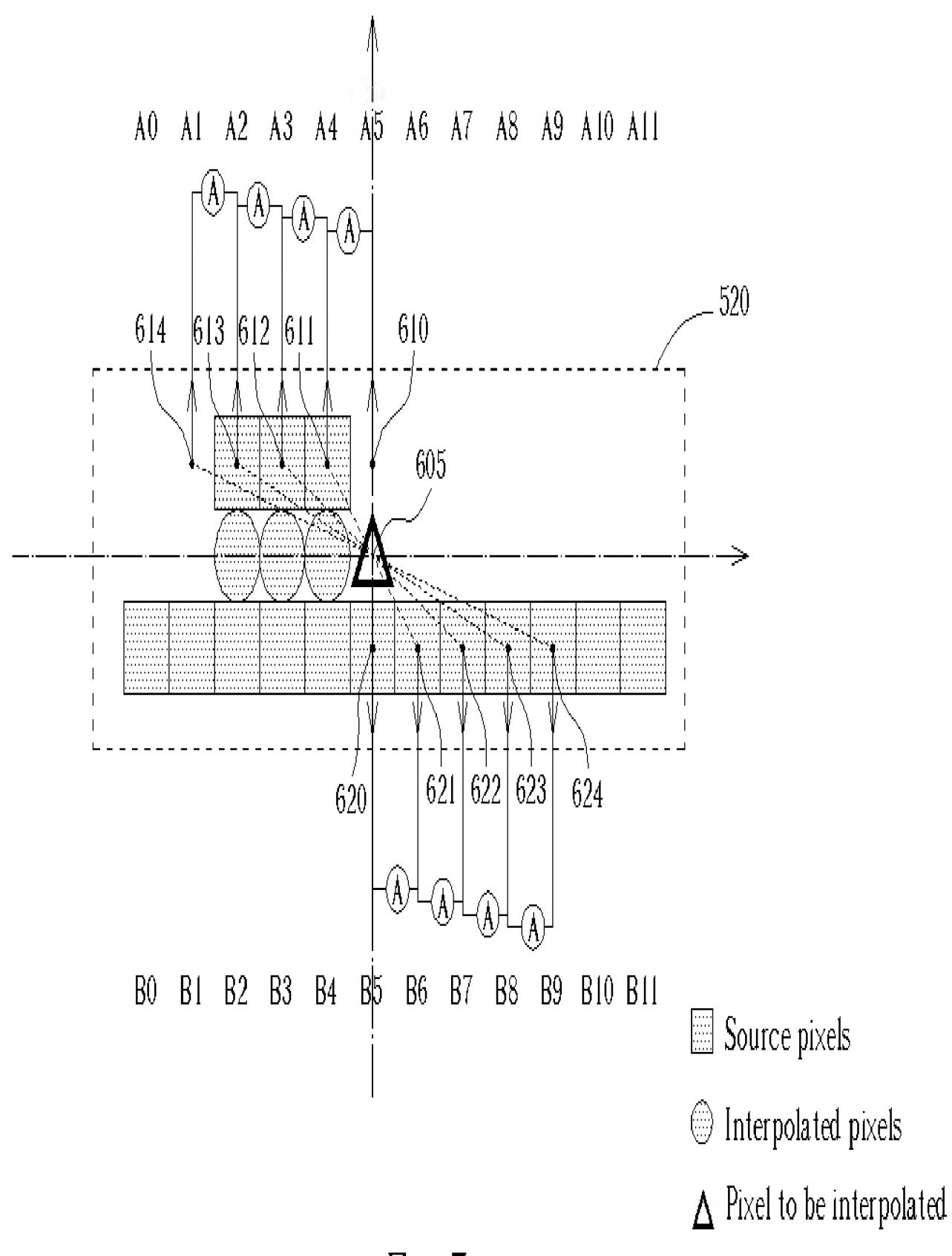


Fig. 7

